ABSTRACT:

PROBLEM TO BE SOLVED: To control all the hardware operations by software to
enable the use by merely changing data by inputting data necessary for control
program and operation and inputting image data of product to be <u>checked into a
signal processing</u> means.

SOLUTION: A control signal is input into a control signal processing part 10 of
a signal processing part 2 through a data input part 1. An image sensor part 3
photographes a product to be <u>checked which is transferred, converts</u> image
data which is generated into a condition in which it can be used, and inputs it
into an image signal control part 30. When signals required for the operation of
respective system are input, control signals are executed. Accordingly, after
loading a program for processing digital signals into an operation control part
20 through the input part 1, the processing part 2 stores image data which is
converted into digital signal which can be used through the sensor part 3 into
an image memory 35 through a buffer part 31. The operation control part 20
judges whether a product to be checked is good or not based on image data to be
input and image data to be machined.